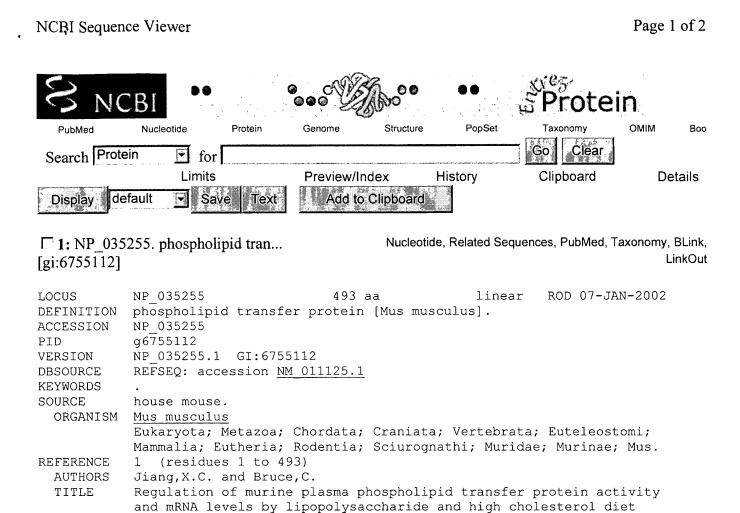


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sparc-sun-solaris2.8 Mar 25 2002 14:04:41

h cb' hg e e e fcg e ch e



MEDLINE 95340492 PUBMED 7615508 REFERENCE 2 (residues 1 to 493)

AUTHORS Albers, J.J., Wolfbauer, G., Cheung, M.C., Day, J.R., Ching, A.F.,

J. Biol. Chem. 270 (29), 17133-17138 (1995)

Lok, S. and Tu, A.Y.

TITLE Functional expression of human and mouse plasma phospholipid transfer protein: effect of recombinant and plasma PLTP on HDL

subspecies

JOURNAL Biochim. Biophys. Acta 1258 (1), 27-34 (1995)

MEDLINE <u>95383401</u>

JOURNAL

REFERENCE 3 (residues 1 to 493)

AUTHORS Tu, A.Y., Chen, H., Johnson, K.A., Paigen, B. and Albers, J.J.

TITLE Characterization of the mouse gene encoding phospholipid transfer

protein

JOURNAL Gene 188 (1), 115-118 (1997)

MEDLINE <u>97254458</u> PUBMED <u>9099868</u>

cb

h

COMMENT PROVISIONAL <u>REFSEQ</u>: This record has not yet been subject to final

NCBI review. The reference sequence was derived from U37226.1.

FEATURES Location/Qualifiers

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/db\_xref="taxon:10090"

/chromosome="2" /map="2 93.0 cM"

Protein 1..493

/product="phospholipid transfer protein"

Region 20..226

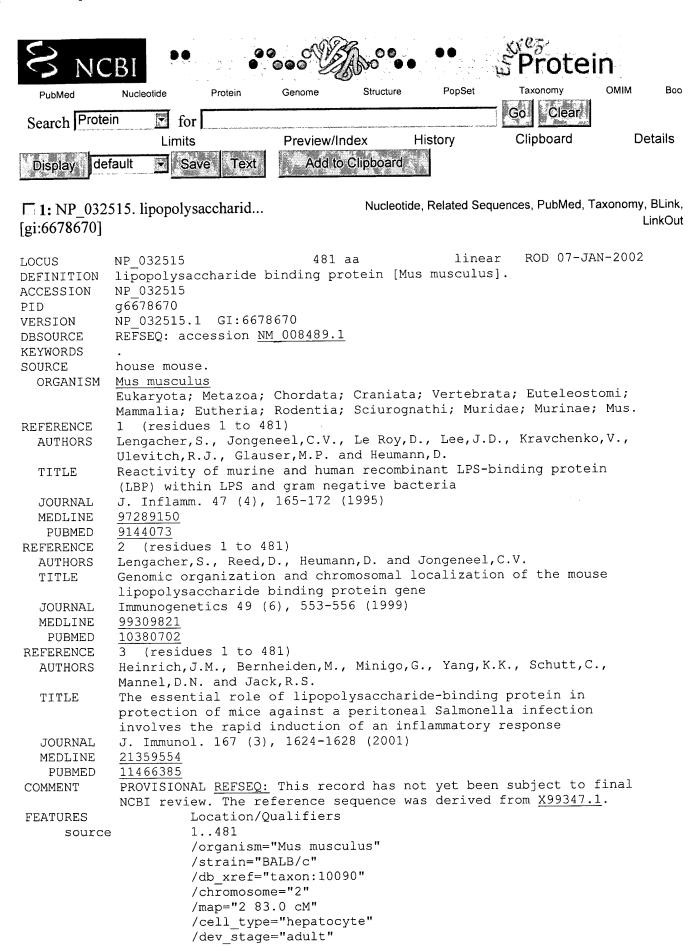
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QD1.B5

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       61 fyynisdwrv tqlhlissel hfqpdqdlll nisnaslglh frrqllywfl ydggyinasa
      121 egvsirtglq lsqdssgrik vsnvsceasv skmnmafggt frrmynffst fitsgmrfll
      181 nqqicpvlyh agtvllnsll dtvpvrssvd dlvgidysll kdpvvsngnl dmefrgaffp
      241 lkednwslpn ravepqledd ermvyvafse fffdsamesy fqagalqltl vgdkvpsdld
      301 mllratyfgs ivllsptvin splklkleat spprctikps gttisitasv titlappmlp
      361 evelskmime grlsakltlr gkalrvkldl rrfqiysnqs aleslalipl qaplktllqi
      421 gvmpllnert wrgvqiplpe ginfvrevvt nhagfvtvga dlhfakglre vidknrpadv
      481 aashvpppsa aaa
11
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1..481
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                     26..238
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                     /note="LBP BPI CETP"
                     33..256
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                     /region name="BPI/LBP/CETP N-terminal domain"
                     /db xref="CDD:smart00328"
                     /note="BPI1"
                     243..478
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                     /db xref="CDD:pfam02886"
                     /note="LBP BPI CETP C"
                     271..474
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                     /db xref="CDD:smart00329"
                     /note="BPI2"
                     1..481
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       61 dfsqdfkika vgrqqyefhs leiqncelrg sslkllpgqg lrlaisdssi gvrqkwkvrk
      121 sflklhqsfd ldvkgvtisv dlllqmdpsq rptvsasqcs sricdldvhi sqnvgwllnl
      181 fhnqiesklq kvlenkvcem iqksvtsdlq pylqtlpvta eidnvlgidy slvaapqaka
      241 qvldvmfkge ifnrnhrspv atptptmslp edskqmvyfa isdhafnias rvyhqagyln
      301 fsitddmlph dsgirlntka frpftpqiyk kypdmklell rtvvsapiln vspqnlslap
      361 qmeiegfvil ptsarepvfr lsvvtnvfas ltfntrkvtg mlhpdkagvr lieskvgifn
      421 vnlfqaflny yllnslypdv naelaqgfpl plprhiqlhd ldfqirkdfl ylganvqymr
      481 v
//
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h cb hg e e e e fcg e e b e ge

S NC	BI •	• •				್ಷ Protei	n	
PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Boo
Search Protei	n 💆 f	or			ga angganga anggahan saka saka ayan ayah angga anda ayan da basah	Go Clear		
Limits			Preview/Index H		History	Clipboard	D	etails
Display default Save Text			Add to Clipboard					

## 1: Q61805. LIPOPOLYSACCHARID...[gi:2497616] Related Sequences, PubMed, Taxonomy, BLink, LinkOut

LOCUS LBP\_MOUSE 481 aa linear ROD 15-JUL-1998
DEFINITION LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR (LBP).

ACCESSION Q61805
PID g2497616
VERSION Q61805 GI:2497616
DBSOURCE swissprot: locus LBP\_MOUSE, accession Q61805;
class: standard.
created: Nov 1, 1997.

sequence updated: Nov 1, 1997. annotation updated: Jul 15, 1998.

xrefs: gi: gi: 1430866, gi: gi: 1430867

xrefs (non-sequence databases): HSSP P17213, MGD MGI:1098776, PFAM

PF01273, PROSITE PS00400

KEYWORDS Lipid transport; Antibiotic; Transmembrane; Glycoprotein; Signal.

SOURCE house mouse.
ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (residues 1 to 481)

AUTHORS Lengacher, S., Jongeneel, C.V., Le Roy, D., Lee, J.D., Kravchenko, V.,

Ulevitch, R.J., Glauser, M.P. and Heumann, D.

TITLE Reactivity of murine and human recombinant LPS-binding protein

(LBP) within LPS and gram negative bacteria

JOURNAL J. Inflamm. 47 (4), 165-172 (1995)

MEDLINE 97289150 PUBMED 9144073

REMARK SEQUENCE FROM N.A.

STRAIN=BALB/C

COMMENT

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the EMBL outstation - the European Bioinformatics Institute. The original entry is available from http://www.expasy.ch/sprot

and http://www.ebi.ac.uk/sprot

[FUNCTION] BINDS TO THE LIPID A MOIETY OF BACTERIAL

LIPOPOLYSACCHARIDES (LPS), A GLYCOLIPID PRESENT IN THE OUTER MEMBRANE OF ALL GRAM-NEGATIVE BACTERIA. THE LBP/LPS COMPLEX SEEMS

TO INTERACT WITH THE CD14 RECEPTOR.

[SIMILARITY] BELONGS TO THE BPI/CETP/LBP/PLTP FAMILY.

FEATURES Location/Qualifiers

source 1..481

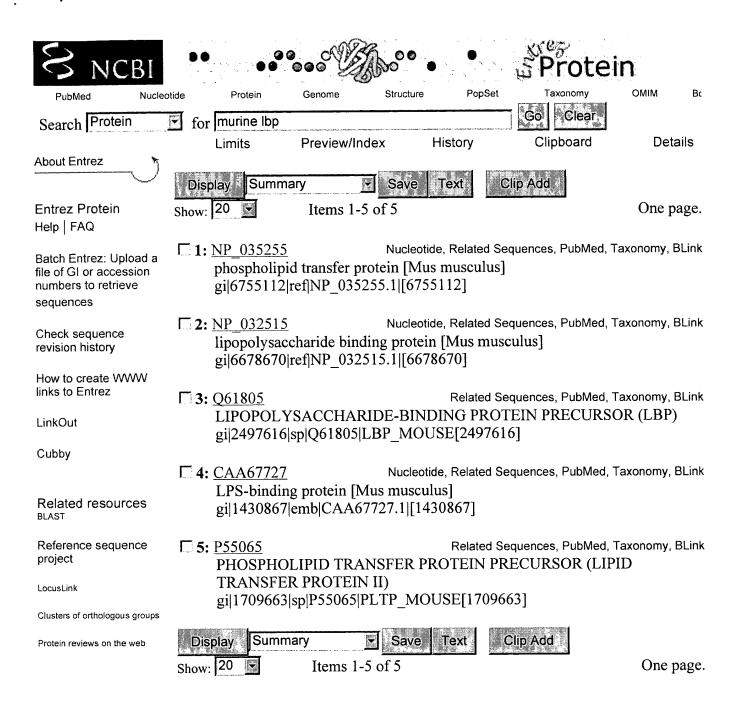
/organism="Mus musculus"
/db xref="taxon:10090"

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Protein 1..481

/product="LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR"

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                     /note="POTENTIAL."
                     25..481
    Region
                     /region name="Mature chain"
                     /note="LIPOPOLYSACCHARIDE-BINDING PROTEIN."
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                     /note="POTENTIAL."
    Site
                     355
                     /site type="glycosylation"
                     /note="POTENTIAL."
ORIGIN
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       61 dfsgdfkika vgrgqyefhs leiqncelrg sslkllpgqg lrlaisdssi gvrgkwkvrk
      121 sflklhqsfd ldvkqvtisv dlllqmdpsq rptvsasgcs sricdldvhi sqnvqwllnl
      181 fhnqiesklq kvlenkvcem iqksvtsdlq pylqtlpvta eidnvlgidy slvaapqaka
      241 qvldvmfkge ifnrnhrspv atptptmslp edskqmvyfa isdhafnias rvyhqagyln
      301 fsitddmlph dsgirlntka frpftpqiyk kypdmklell rtvvsapiln vspgnlslap
      361 qmeiegfvil ptsarepvfr lsvvtnvfas ltfntrkvtg mlhpdkaqvr lieskvgifn
      421 vnlfqaflny yllnslypdv naelaqgfpl plprhiqlhd ldfqirkdfl ylganvqymr
      481 v
//
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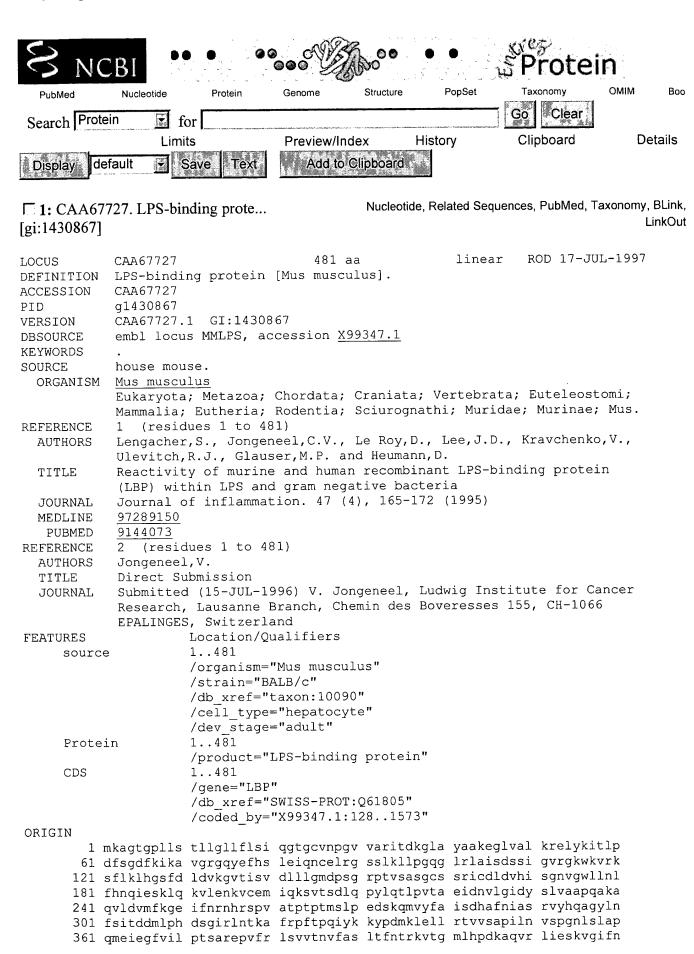


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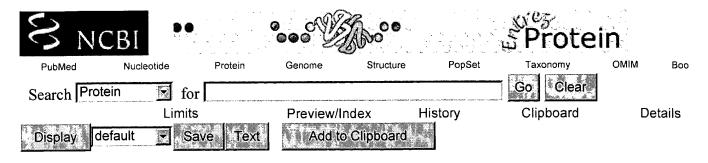
e

spare-sun-solaris2.8 Mar 25 2002 14:04:41

h cb hg e e e fcg e ch



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421 vnlfqaflny yllnslypdv naelaqgfpl plprhiqlhd ldfqirkdfl ylganvqymr 481 v //
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## **1:** P55065. PHOSPHOLIPID TRAN...[gi:1709663] Related Sequences, PubMed, Taxonomy, BLink, LinkOut

PLTP MOUSE 493 aa linear ROD 01-NOV-1997 LOCUS PHOSPHOLIPID TRANSFER PROTEIN PRECURSOR (LIPID TRANSFER PROTEIN DEFINITION II). ACCESSION P55065 g1709663 PID VERSION P55065 GI:1709663 swissprot: locus PLTP MOUSE, accession P55065; **DBSOURCE** class: standard. created: Oct 1, 1996. sequence updated: Oct 1, 1996. annotation updated: Nov 1, 1997. xrefs: gi: gi: 1051265, gi: gi: 1051266, gi: gi: 902887, gi: gi: 902888 xrefs (non-sequence databases): HSSP P24337, MGD MGI:103151, PFAM PF01273, PROSITE PS00400 Lipid transport; Glycoprotein; Signal. KEYWORDS SOURCE house mouse. ORGANISM Mus musculus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (residues 1 to 493) REFERENCE Albers, J.J., Wolfbauer, G., Cheung, M.C., Day, J.R., Ching, A.F., **AUTHORS** Lok, S. and Tu, A.Y. Functional expression of human and mouse plasma phospholipid TITLE transfer protein: effect of recombinant and plasma PLTP on HDL subspecies Biochim. Biophys. Acta 1258 (1), 27-34 (1995) **JOURNAL** MEDLINE 95383401 SEOUENCE FROM N.A. REMARK REFERENCE (residues 1 to 493) Jiang, X.C. and Bruce, C. AUTHORS TITLE Regulation of murine plasma phospholipid transfer protein activity and mRNA levels by lipopolysaccharide and high cholesterol diet **JOURNAL** J. Biol. Chem. 270 (29), 17133-17138 (1995) MEDLINE 95340492 REMARK SEQUENCE FROM N.A. STRAIN=C57BL/6 COMMENT This SWISS-PROT entry is copyright. It is produced through a

collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. The original entry is available from http://www.expasy.ch/sprot and http://www.ebi.ac.uk/sprot

[FUNCTION] CONVERTS HDL INTO LARGER AND SMALLER PARTICLES. MAY PLAY A KEY ROLE IN EXTRACELLULAR PHOSPHOLIPID TRANSPORT AND MODULATION

OF HDL PARTICLES.

```
[TISSUE SPECIFICITY] HIGHEST IN LUNG, ADIPOSE TISSUE, BRAIN, AND
            HEART.
            [SIMILARITY] BELONGS TO THE BPI/CETP/LBP/PLTP FAMILY.
                      Location/Qualifiers
FEATURES
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     Protein
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                      /note="DV -> ER (IN REF. 2)."
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                      /note="R -> S (IN REF. 2)."
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                      /note = "L -> P (IN REF. 2)."
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                      156
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                      /note="POTENTIAL."
                       464
      Region
                       /region name="Conflict"
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ORIGIN

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121 egvsirtglq lsqdssgrik vsnvsceasv skmnmafggt frrmynffst fitsgmrfll
181 nqqicpvlyh agtvllnsll dtvpvrssvd dlvgidysll kdpvvsngnl dmefrgaffp
241 lkednwslpn ravepqledd ermvyvafse fffdsamesy fqagalqltl vgdkvpsdld
301 mllratyfgs ivllsptvin splklkleat spprctikps gttisitasv titlappmlp
361 evelskmime grlsakltlr gkalrvkldl rrfqiysngs aleslalipl qaplktllqi
421 gvmpllnert wrgvqiplpe ginfvrevvt nhagfvtvga dlhfakglre vidknrpadv
481 aashvpppsa aaa
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